

monitoring of the first 7 minutes of reactivity and shows essentially no heat flow between 0.0°C and approximately 20°C, at which point onset of endothermic heat flow occurs.

C3  
Conc'd

The heat flow properties indicate that at 37°C the reaction is essentially endothermic, and under the conditions used, the reaction occurs only very slowly if at all at temperatures below about 20°C. Thus, the net reactivity in the system, that is, the sum of endothermic and exothermic heat flow of the system, is endothermic.--

#### In the Claims

Please amend claims 2 and 25 as follows.

C4

Sub 10/1

2. (Three times amended) A method for treating a bone defect, comprising:

identifying a bone site suitable for receiving an implant;

introducing a hydrated precursor paste at the implant site, the hydrated precursor paste comprising an amorphous calcium phosphate and a promoter; and

[converting] hardening the hydrated precursor paste *in vivo* at the implant site

wherein the hardening process is associated with an endothermic reaction [to a hardened poorly crystalline apatitic (PCA) calcium phosphate], whereby bone is formed at the implant site.

C5

Sub 10/4

25. (Amended) A method for embedding a prosthetic device, comprising:

introducing a prosthesis at an implant site;